

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003824

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M19/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 009 156 A (TADIRAN TELECOMMUNICATIONS LIM) 14 June 2000 (2000-06-14) column 1, line 10 - line 38 column 2, line 14 - line 17 column 3, line 7 - line 14 column 3, line 36 - line 45 column 4, line 3 - line 17 column 4, line 46 - column 7, line 11; figures 1,2	1-14
X	US 6 236 664 B1 (ERREYERS JAN) 22 May 2001 (2001-05-22)	1,12
A	column 5, line 60 - column 6, line 8	2-11,13, 14
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

16 November 2004

Date of mailing of the international search report

24/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Sorrentino, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/003824

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/31845 A (SAMSUNG ELECTRONICS CO LTD) 3 May 2001 (2001-05-03) page 1, line 32 - page 2, line 25 page 9, line 32 - page 12, line 25 page 13, line 22 - line 23 figures 1,3,8	1-12
A	----- FISHER S ED - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "Powering active nodes in active loops" COMMUNICATIONS - RISING TO THE HEIGHTS. DENVER, JUNE 23 - 26, 1991, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, IEEE, US, vol. VOL. 1, 23 June 1991 (1991-06-23), pages 929-935, XP010044027 ISBN: 0-7803-0006-8 cited in the application paragraph '04.4!	1-12
A	----- WO 01/22716 A (ERICSSON TELEFON AB L M) 29 March 2001 (2001-03-29) page 4, line 26 - page 6, line 23 -----	1-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003824

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1009156	A	14-06-2000	EP 1009156 A2	14-06-2000
US 6236664	B1	22-05-2001	NONE	
WO 0131845	A	03-05-2001	KR 2001038745 A	15-05-2001
			CN 1140975 C	03-03-2004
			EP 1142198 A1	10-10-2001
			WO 0131845 A1	03-05-2001
WO 0122716	A	29-03-2001	AU 7820300 A	24-04-2001
			BR 0014245 A	21-05-2002
			CN 1376358 T	23-10-2002
			EP 1216572 A1	26-06-2002
			WO 0122716 A1	29-03-2001
			SE 9903476 A	25-03-2001
			US 6577882 B1	10-06-2003